ABSTRACT

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2   A stereo matching section of a stereoscopic image

3 processing unit evaluates a correlation of brightness between

4 a reference pixel block picked up from a right image and a comparison

5 pixel block picked up from a left image and calculates a parallax

6 between these two pixel blocks having the correlation. A region

7 control section changes over the size of these pixel blocks

8 according to the area in which the stereo matching is performed

9 so as to obtain a more accurate three-dimensional recognition.

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